

October 2021: Month In Review

Weather Forecast Office
Binghamton, NY

An aerial photograph of Binghamton, New York, showing a mix of urban buildings, green spaces, and distant hills under a blue sky with scattered clouds. A large, light-colored building with a classical facade is prominent in the foreground.

Central New York & Northeast Pennsylvania

October Monthly Temperatures

Weather Forecast Office
Binghamton, NY



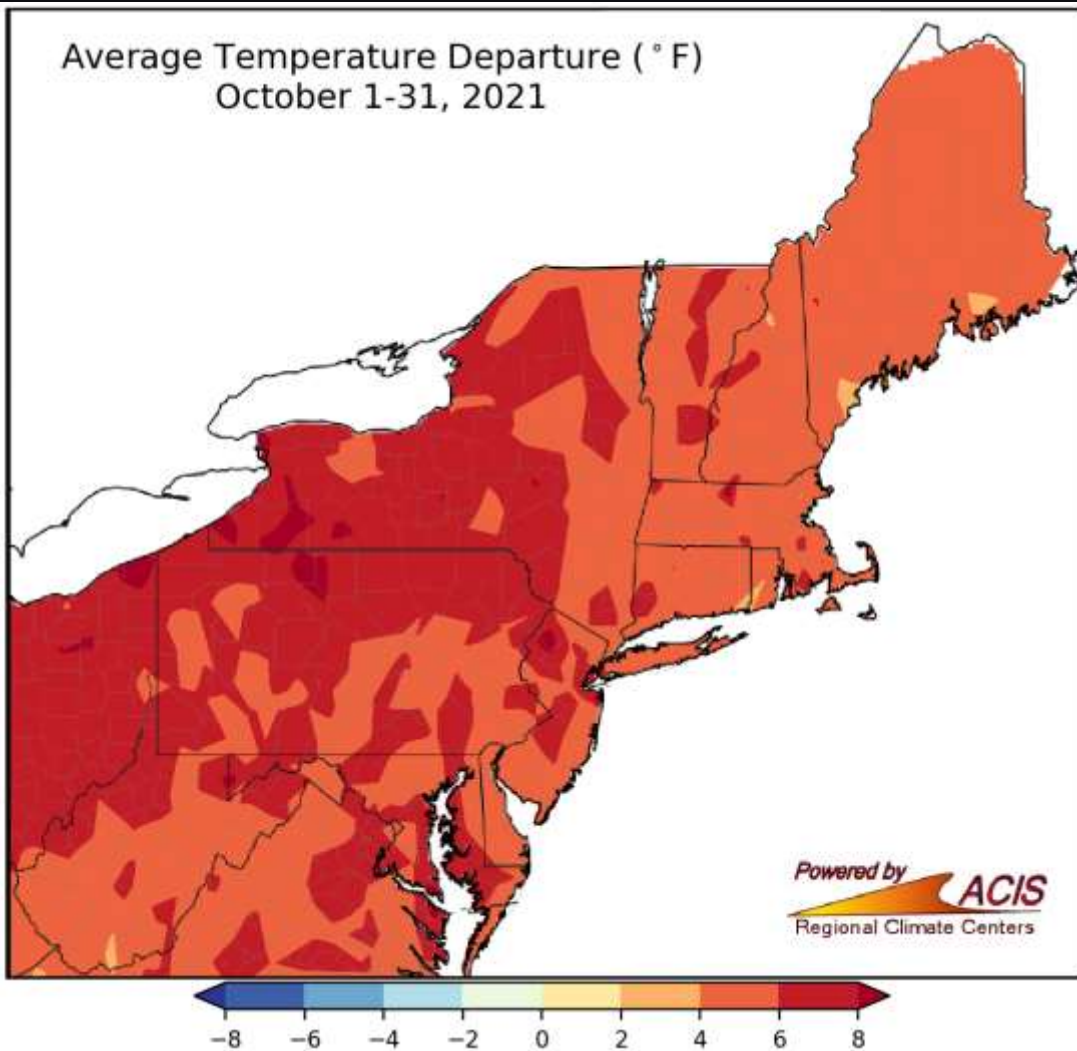
Location	Oct Avg Max T (Departure)	Oct Avg Min T (Departure)	Oct Avg T (Departure)	# of 75°+ Days
Binghamton, NY (Airport)	62.1° (+5.0)	47.7° (+7.2)	54.9° (+6.1°)	1 Day
Syracuse, NY (Airport)	67.3° (+7.2°)	50.8° (+8.4°)	59.0° (+7.7°)	9 Days
Avoca (Scranton), PA	67.7° (+4.6°)	51.0° (+7.7°)	59.4° (+6.2°)	5 Days

October Monthly Temperatures

Weather Forecast Office
Binghamton, NY



Average Temperature Departure (°F)
October 1-31, 2021



October feature well above average temperatures across the entire area. Ranging from about 5 to 8°F above normal

***Record warmest October for Syracuse, NY at 59.0°, which is 7.7°F above avg.**

***Record warmest October for Scranton, PA at 59.4° which is 6.2°F above avg.**

Map Courtesy of the Northeast Regional Climate Center

October Monthly Temperature Records: Syracuse NY



#1 Warmest October Avg Temperature

Rank	Value	Ending Date	Missing Days
1	59.0	2021-10-31	0
2	58.0	2007-10-31	0
3	57.8	1947-10-31	0
4	57.4	1920-10-31	0
5	57.0	2017-10-31	0

#5 Warmest October Max Temperature

Rank	Value	Ending Date	Missing Days
1	72.2	1947-10-31	0
2	69.8	1963-10-31	0
3	68.3	1946-10-31	0
4	67.3	2007-10-31	0
5	67.3	2021-10-31	0

#1 Warmest October Min Temperature

Rank	Value	Ending Date	Missing Days
1	50.8	2021-10-31	0
2	49.4	1920-10-31	0
3	48.7	2007-10-31	0
4	47.7	1931-10-31	0
5	46.8	1932-10-31	0

- Very warm (warmest for October) overnight lows really contributed to making this the warmest October on record for Syracuse NY. Daytime highs were the 5th warmest on record for October as well.

October Monthly Temperature Records: Avoca PA



#1 Warmest October Avg Temperature

Rank	Value	Ending Date	Missing Days
1	59.4	2021-10-31	0
2	59.1	1947-10-31	0
3	59.0	2007-10-31	0
4	58.6	2017-10-31	0
5	58.0	1984-10-31	0

#8 Warmest October Max Temperature

Rank	Value	Ending Date	Missing Days
1	72.2	1947-10-31	0
2	69.8	1963-10-31	0
3	69.1	2007-10-31	0
4	69.1	2017-10-31	0
5	68.5	1920-10-31	0
6	68.2	1949-10-31	0
7	67.8	1946-10-31	0
8	67.7	2021-10-31	0

#1 Warmest October Min Temperature

Rank	Value	Ending Date	Missing Days
1	51.0	2021-10-31	0
2	49.2	1984-10-31	0
3	48.8	2007-10-31	0
4	48.4	1913-10-31	0
5	48.1	2017-10-31	0

- Very warm (warmest on record for October) overnight lows really contributed to making this the overall warmest October on record for Avoca PA. Daytime highs were the 8th warmest on record for October as well.

October Monthly Temperature

Weather Forecast Office
Binghamton, NY



Records: Binghamton NY

#3th Warmest October Avg Temperature

Rank	Value	Ending Date	Missing Days
1	56.8	2007-10-31	0
2	55.4	1971-10-31	0
3	54.9	2021-10-31	0
4	54.8	1963-10-31	0
5	54.6	2017-10-31	0
6	54.0	1984-10-31	0
7	53.8	1995-10-31	0
8	53.2	1961-10-31	0
9	52.6	1973-10-31	0
10	52.5	2013-10-31	0

Period of record: 1951-05-25 to 2021-11-03

#2 Warmest October Min Temperature

Rank	Value	Ending Date	Missing Days
1	48.7	2007-10-31	0
2	47.7	2021-10-31	0
3	47.5	1971-10-31	0
4	45.5	2017-10-31	0
5	44.9	1995-10-31	0
6	44.5	2013-10-31	0
7	44.3	1984-10-31	0
-	44.3	1970-10-31	0
9	43.9	1954-10-31	0
10	43.9	1963-10-31	0

Period of record: 1951-05-25 to 2021-11-03

#8th Warmest October Max Temperature

Rank	Value	Ending Date	Missing Days
1	65.7	1963-10-31	0
2	64.9	2007-10-31	0
3	63.8	2017-10-31	0
4	63.7	1984-10-31	0
5	63.2	1971-10-31	0
6	63.0	1961-10-31	0
7	62.6	1995-10-31	0
8	62.1	2021-10-31	0
9	62.1	1953-10-31	0
10	61.4	1973-10-31	0

Period of record: 1951-05-25 to 2021-11-03

- Very mild (2nd warmest on record for October) overnight lows significantly contributed to making this the 3rd warmest October on record for Binghamton NY. Daytime highs were only the 8th warmest on record.

First Freeze (<32°F) Dates

Weather Forecast Office
Binghamton, NY



Avoca Airport: 6th (Tied) Latest

Year	Last	Value	First	Value	Season Length
1946	04-27 (1946)	32	11-15 (1946)	29	201
1920	04-11 (1920)	30	11-11 (1920)	30	213
1927	04-26 (1927)	32	11-06 (1927)	31	193
1973	05-17 (1973)	31	11-05 (1973)	30	171
1971	04-25 (1971)	31	11-05 (1971)	32	193
1995	04-17 (1995)	30	11-04 (1995)	31	200
2021	04-22 (2021)	30	11-03 (2021)	31	194
1998	04-27 (1998)	30	11-03 (1998)	26	189

Syracuse Airport: 8th (Tied) Latest

Year	Last	Value	First	Value	Season Length
2014	04-20 (2014)	29	11-13 (2014)	32	206
2005	05-13 (2005)	30	11-12 (2005)	30	182
1931	04-15 (1931)	32	11-06 (1931)	30	204
1918	04-26 (1918)	32	11-06 (1918)	31	193
1971	04-18 (1971)	29	11-05 (1971)	32	200
2019	04-29 (2019)	30	11-04 (2019)	32	188
1998	04-29 (1998)	32	11-04 (1998)	29	188
2021	04-22 (2021)	29	11-03 (2021)	32	194
1932	04-27 (1932)	32	11-03 (1932)	30	189
1924	04-20 (1924)	32	11-03 (1924)	31	196

Binghamton Airport: 2nd Latest

Year	Last	Value	First	Value	Season Length
1971	04-25 (1971)	30	11-05 (1971)	29	193
2021	05-01 (2021)	30	11-02 (2021)	32	184
1998	04-27 (1998)	28	10-31 (1998)	32	186
1973	05-18 (1973)	32	10-31 (1973)	32	165
2007	04-26 (2007)	32	10-29 (2007)	30	185
2011	04-22 (2011)	29	10-27 (2011)	32	187
2005	05-13 (2005)	29	10-25 (2005)	32	164
1979	05-05 (1979)	32	10-25 (1979)	31	172

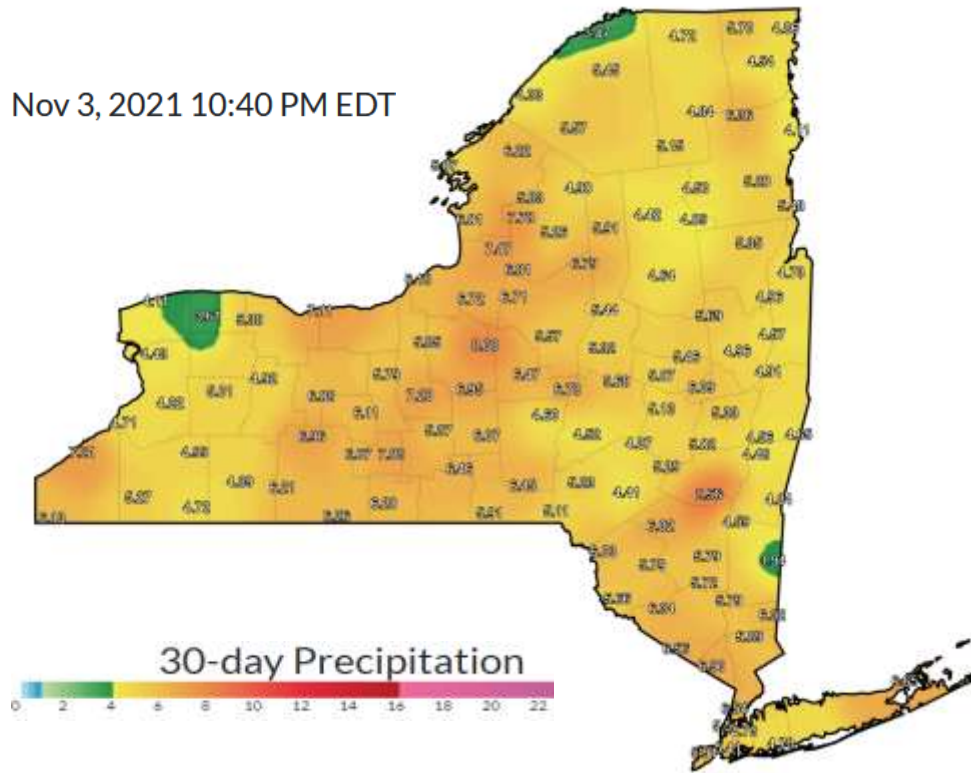
October Regional Rainfall Maps

Weather Forecast Office
Binghamton, NY



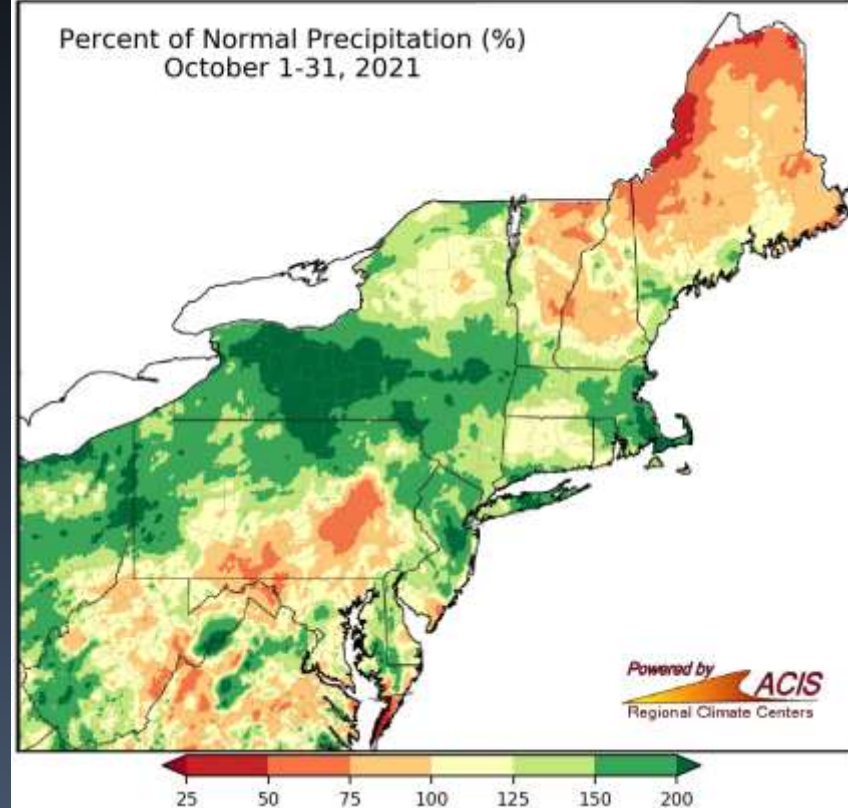
Above average rainfall in October was again the rule for just about all of Central NY and Northeast PA; with totals ranging from 125-200% of normal, with a numerous locations in the Finger lakes/CNY surpassing 200% of normal rainfall.

Nov 3, 2021 10:40 PM EDT



Map Courtesy of the New York Mesonet

Percent of Normal Precipitation (%)
October 1-31, 2021



Map Courtesy of the Northeast Regional Climate Center

October Monthly Rainfall Totals

Weather Forecast Office
Binghamton, NY



Location	October Rainfall Total <i>(Departure)</i>	Greatest 1-Day Rain Total <i>(Date Occurrence)</i>	Oct. Monthly Rainfall Rank <i>(#1 Wettest & Year)</i>
Binghamton, NY (Airport)	6.27" <i>+2.51"</i>	2.49" Oct 26 th	9th wettest <i>(9.43" in 1955)</i>
Syracuse, NY	7.48" <i>+3.59"</i>	2.33" Oct 26 th	3rd wettest <i>(8.29" in 1955)</i>
Avoca (Scranton), PA	4.55" <i>+0.84</i>	1.50" Oct 26 th	22nd wettest <i>(9.16" in 1927)</i>

3rd Wettest October on Record: Syracuse NY

Weather Forecast Office
Binghamton, NY



Maximum 1-Month Total Precipitation for Syracuse Area, NY (ThreadEx)

Rank	Value	Ending Date	Missing Days
1	8.29	1955-10-31	0
2	7.69	2016-10-31	0
3	7.48	2021-10-31	0
4	7.15	1959-10-31	0
5	6.88	2019-10-31	0
6	6.83	1937-10-31	0
7	6.66	1981-10-31	0
8	6.57	1995-10-31	0
9	6.53	1976-10-31	0
10	6.52	1945-10-31	0

Period of record: 1902-09-01 to 2021-11-03

9th Wettest October on Record: Binghamton NY

Weather Forecast Office
Binghamton, NY



Maximum 1-Month Total Precipitation for Binghamton Area, NY (ThreadEx)

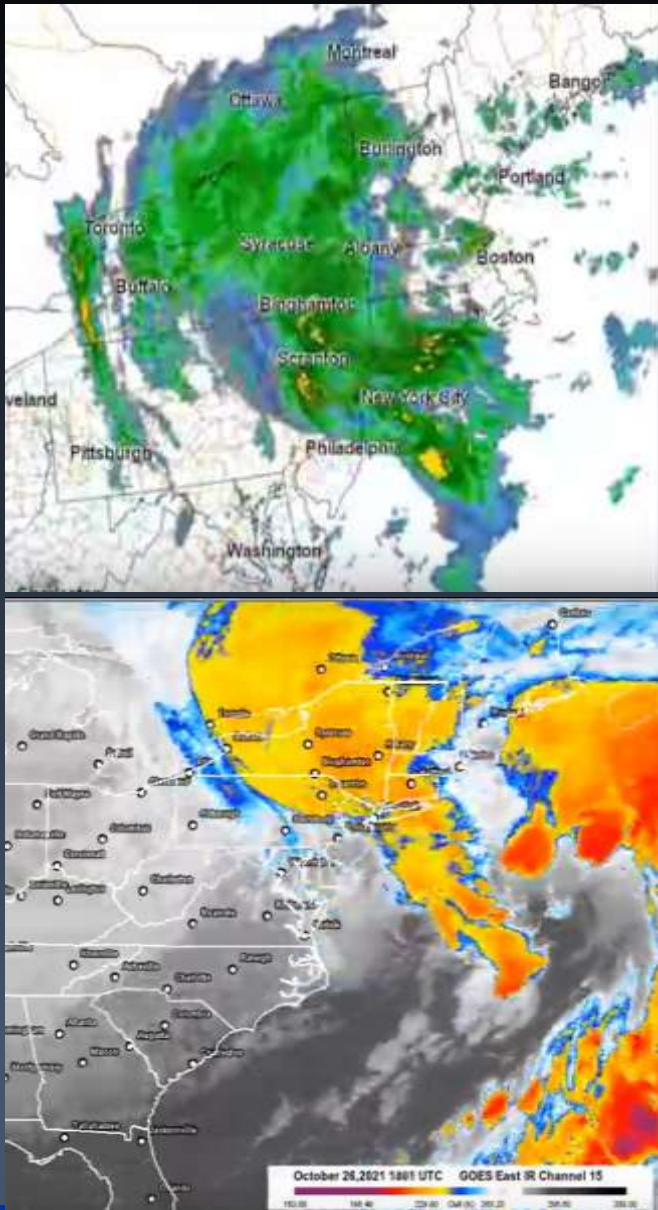
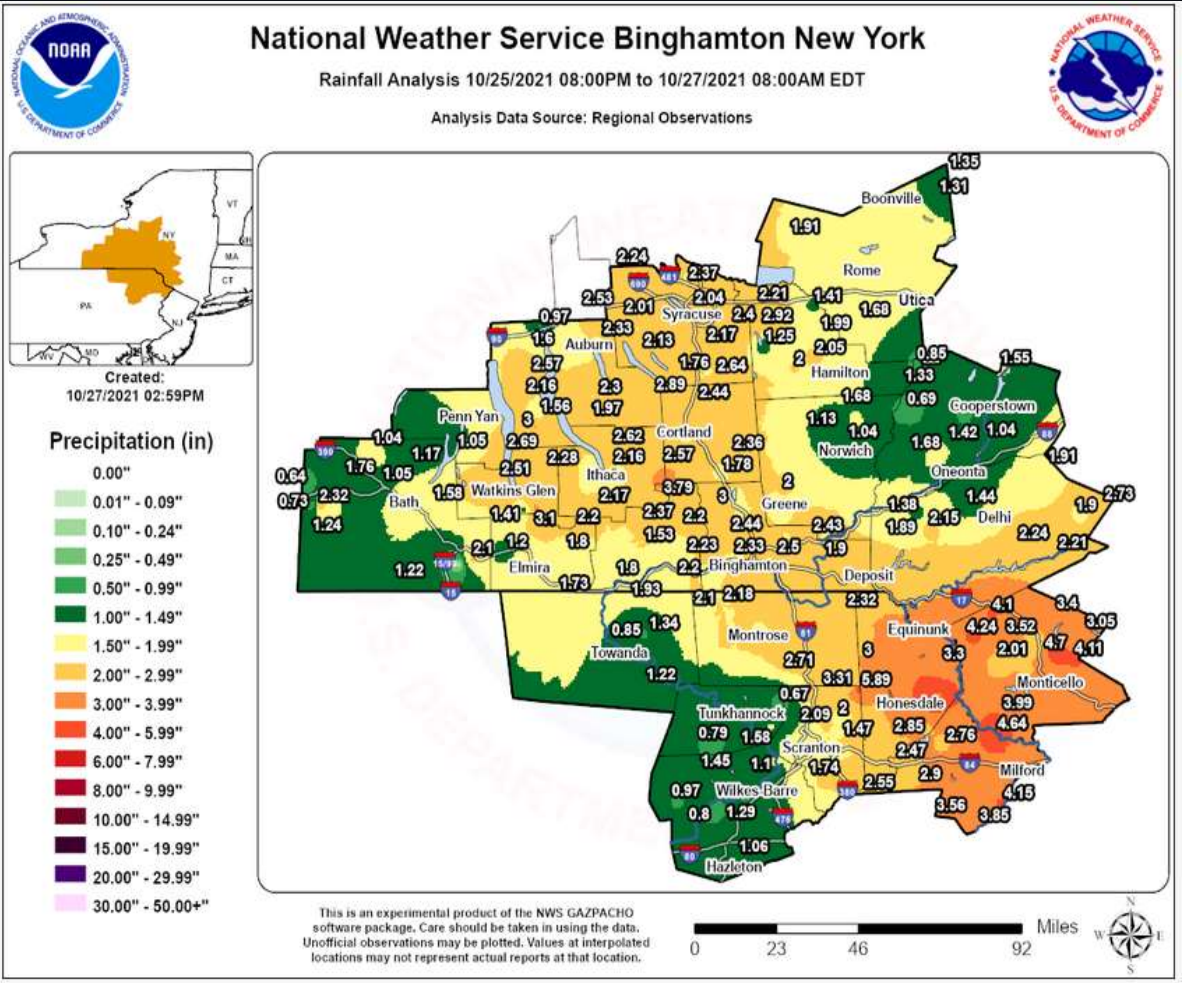
Rank	Value	Ending Date	Missing Days
1	9.43	1955-10-31	0
2	7.92	2005-10-31	0
3	7.85	2019-10-31	0
4	7.62	1959-10-31	0
5	7.19	1990-10-31	0
6	7.15	1962-10-31	0
7	6.68	1995-10-31	0
8	6.30	1976-10-31	0
9	6.27	2021-10-31	0
10	5.83	2016-10-31	0

Period of record: 1951-05-25 to 2021-11-03



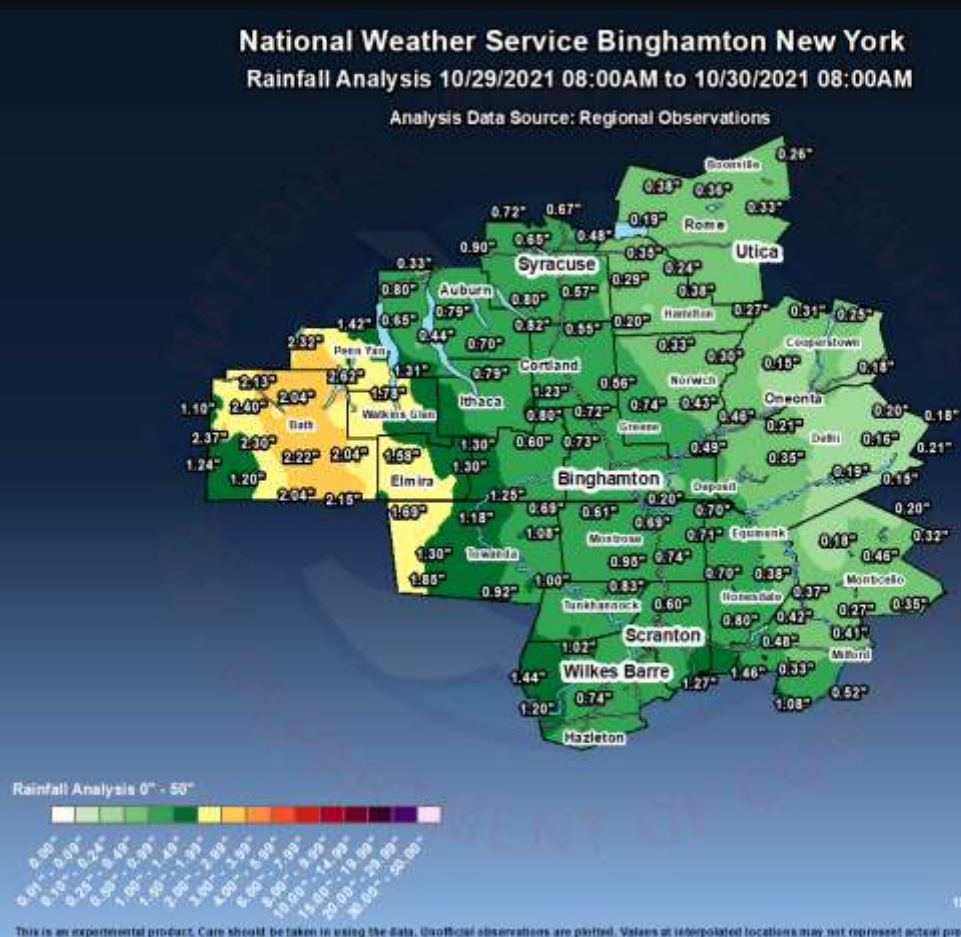
Significant Weather Events in October

Nor'easter Brings Heavy Rain & Flooding 10/25 & 10/26

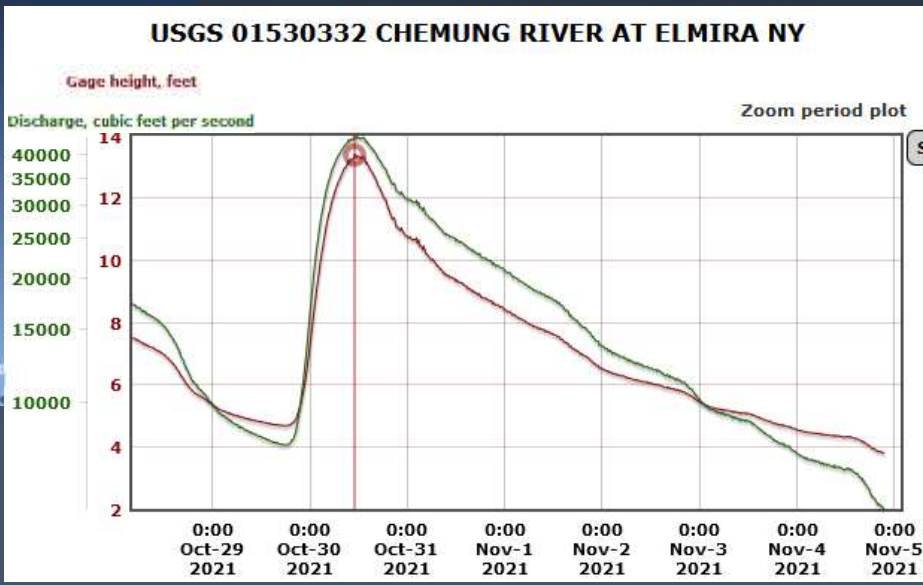
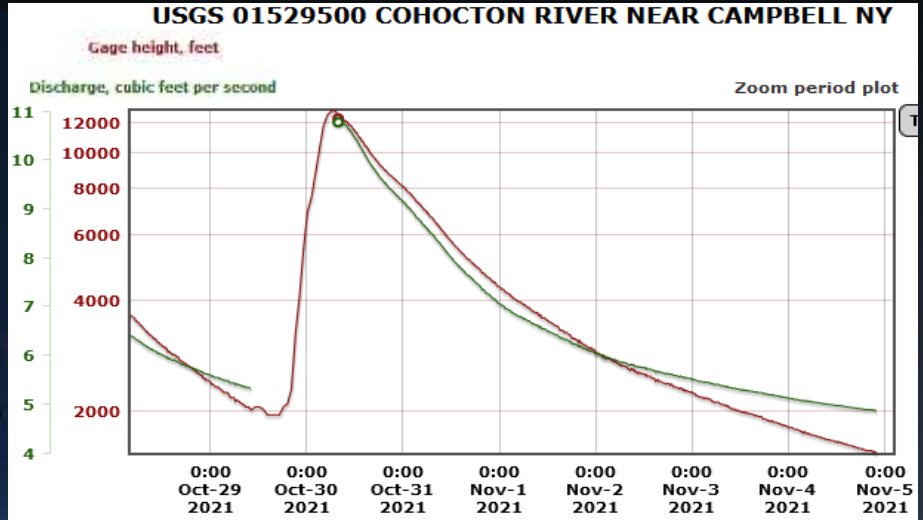


Widespread 2 – 5" rainfall totals reported

Heavy Rain & Flooding: Chemung Basin 10/29 & 10/30 2021



Minor Flood stage surpassed at Campbell NY (10.0'), and Elmira NY (12.0')



Summary



- October was another very wet and warm month for the majority of Central NY and Northeast PA
- A few locations had their warmest October's on record, and others saw record breaking rainfall
- All of this heavy rain brought two rounds of flooding late in the month; the first centered on the upper Susquehanna and Delaware Basins. The second event brought mainly minor flooding to the Chemung River Basin and eventually long lingering flooding to some of the Finger Lakes and Seneca River Basin
- Numerous locations did not reach $< 32^{\circ}\text{F}$ during the month, marking one of the latest first freezes on record (all 3 climate sites finally reached 32 or lower in the first week of November)

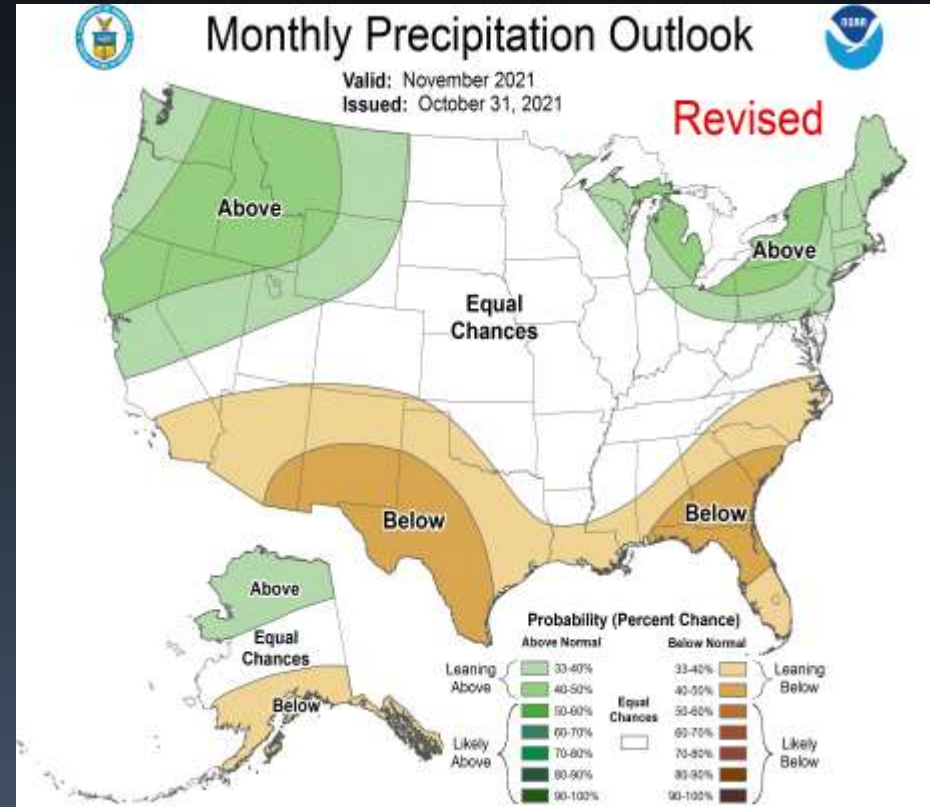
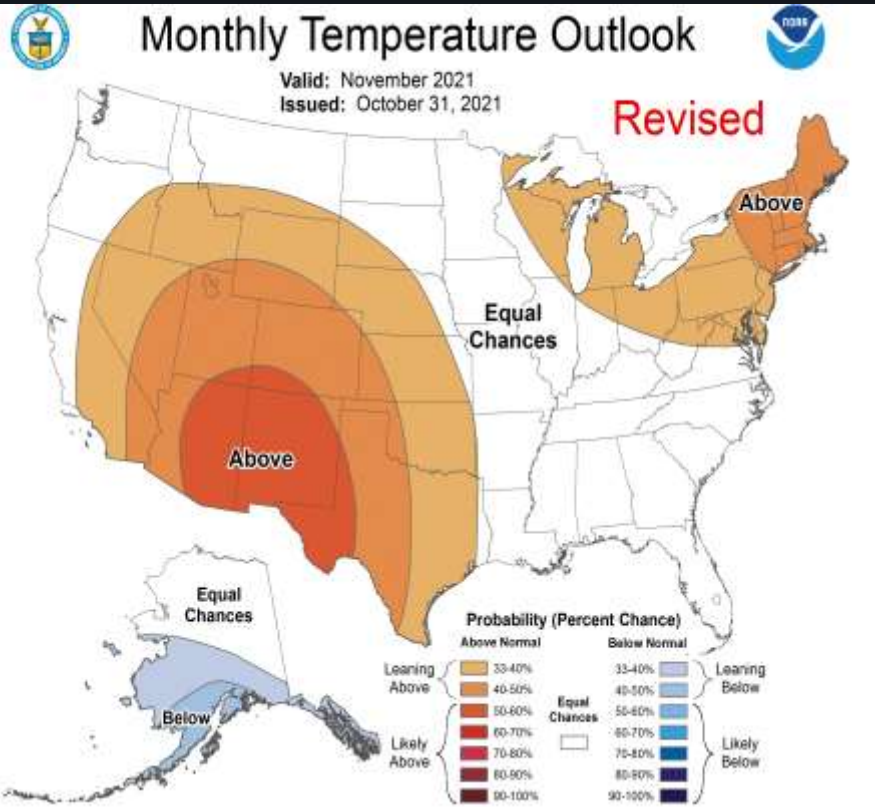
November Outlook

Weather Forecast Office
Binghamton, NY



Temperature Outlook

Precipitation Outlook



Above Average Temperatures Favored for
the Month Across CNY & NE PA

Near, to Slightly Above Average Rainfall
Favored Across CNY & NE PA



Thank You!